

Consent Decree: United States v. BP America Production Company, CamWest, Inc. and CamWest Limited Partnership
Appendix 3

Appendix 3: Current Injection Wells			Lander and Winkleman Dome Oil Fields	
Summary of Current Mechanical Integrity Testing Requirements				
Well Name	Oil Field	EPA ID No.	Minimum Mechanical Integrity (Part I) Frequency ¹	Other Monitoring
#9	Lander	WY2000-02203	5 years	
#11	Lander	WY2000-02222	5 years	
#13	Lander	WY2000-02208	5 years: annulus surrounding tubing ²	Quarterly fluid measurement ³
#15	Lander	WY2000-02210	5 years	
#19	Lander	WY2000-02199	5 years	
#27	Lander	WY2000-02217	5 years	
#29	Lander	WY2000-02196	5 years	
#33	Lander	WY2000-02195	1 year ⁴	
#34	Lander	WY2000-02187	5 years: annulus surrounding tubing	Quarterly fluid measurement
#41	Lander	WY2000-02193	5 years	
#44	Lander	WY2654-03747	5 years	Annual water quality ⁵
#45	Lander	WY2000-02188	5 years: annulus surrounding tubing	Quarterly fluid measurement
#51	Lander	WY2000-02230	5 years	
#53	Lander	WY2000-02224	5 years	
#60	Lander	State Well		
#62	Lander	WY2000-02233	5 years	
#70	Lander	WY2000-02220	1 year	
#78	Lander	WY2656-03749	5 years	Annual water quality ⁵
#79	Lander	WY2000-02206	1 year	
#80	Lander	WY2000-02198	5 years	
#82	Lander	WY2000-02191	5 years	
#87A	Lander	WY2000-02211	5 years	
#88	Lander	WY2000-02207	5 years: annulus surrounding tubing	Quarterly fluid measurement
#91	Lander	WY2000-02262	5 years	

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Well Name	Oil Field	EPA ID No.	Minimum Mechanical Integrity (Part I) Frequency ¹	Other Monitoring
#98	Lander	WY2000-02223	5 years	
#101	Lander	WY2000-02186	5 years	
#109	Lander	WY2000-02216	5 years	
#113	Lander	WY2000-02225	5 years	
#115	Lander	WY2000-02232	5 years	
#117	Lander	State Well		
#121	Lander	State Well		
#123	Lander	WY2000-02231	5 years	
#128	Lander	WY2000-02221	5 years	
#129	Lander	WY2000-02200	5 years	
#132	Lander	WY2657-03750	5 years	Annual water quality ⁵
#134	Lander	WY2000-02204	5 years	
#137	Lander	WY2000-02190	5 years	
#140	Lander	WY2000-02189	5 years	
#150	Lander	WY2000-02234	5 years	
#1	Winkelman Dome	WY2000-02265	5 years	
#2	Winkelman Dome	WY2000-02275	5 years: annulus surrounding tubing	Quarterly fluid measurement
#3	Winkelman Dome	WY2000-02264	5 years	
#4	Winkelman Dome	WY2000-02263	5 years: annulus surrounding tubing	Quarterly fluid measurement
#6	Winkelman Dome	WY2000-02274	5 years: annulus surrounding tubing	Quarterly fluid measurement
#12	Winkelman Dome	WY2000-02272	1 year	
#14	Winkelman Dome	WY2000-02259	5 years	
#15	Winkelman Dome	WY2000-02270	5 years	

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Well Name	Oil Field	EPA ID No.	Minimum Mechanical Integrity (Part I) Frequency ¹	Other Monitoring
#19	Winkleman Dome	WY2000-02269	5 years	
#21	Winkleman Dome	WY2000-02257	5 years	
#22	Winkleman Dome	WY2000-02268	1 year	
#24	Winkleman Dome	WY2000-02267	5 years	
#25	Winkleman Dome	WY2000-02283	5 years	
#26	Winkleman Dome	WY2000-02284	5 years	
#27	Winkleman Dome	WY2000-02285	5 years	
#28	Winkleman Dome	WY2000-02266	5 years	
#30	Winkleman Dome	WY2000-02318	5 years	
#43	Winkleman Dome	WY2000-02256	1 year	
#47	Winkleman Dome	WY2000-02236	5 years: annulus surrounding tubing	Quarterly fluid measurement
#52	Winkleman Dome	WY2000-02253	5 years: annulus surrounding tubing	Quarterly fluid measurement
#53	Winkleman Dome	WY2000-02254	5 years: annulus surrounding tubing	Quarterly fluid measurement
#56	Winkleman Dome	WY2000-02295	5 years	
#61	Winkleman Dome	WY2000-02278	1 year	
#64	Winkleman Dome	WY2000-02279	1 year	
#66	Winkleman Dome	WY2000-02157	1 year	
#67	Winkleman Dome	WY2000-02252	1 year	
#68	Winkleman Dome	WY2000-02238	1 year	
#69	Winkleman Dome	WY2000-02250	5 years: annulus surrounding tubing	Quarterly fluid measurement
#74	Winkleman Dome	WY2000-02251	5 years	
#75	Winkleman Dome	WY2000-02289	5 years	
#77	Winkleman Dome	WY2000-02248	1 year	
#79	Winkleman Dome	WY2000-02290	5 years	

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Well Name	Oil Field	EPA ID No.	Minimum Mechanical Integrity (Part I) Frequency ¹	Other Monitoring
#83	Winkelman Dome	WY2000-02249	5 years	
#84	Winkelman Dome	WY2000-02291	5 years	
#85	Winkelman Dome	WY2000-02292	5 years	
#87	Winkelman Dome	WY2000-02293	1 year	
#89	Winkelman Dome	WY2000-02247	1 year	
#91	Winkelman Dome	WY2000-02288	5 years	
#93	Winkelman Dome	WY2000-02287	5 years	
#96	Winkelman Dome	WY2000-02299	5 years	
#100	Winkelman Dome	WY2000-02298	1 year	
#101	Winkelman Dome	WY2000-02245	5 years	
#102	Winkelman Dome	WY2000-02301	5 years	
#106	Winkelman Dome	WY2000-02243	5 years	
#111	Winkelman Dome	WY2000-02242	5 years	
#113	Winkelman Dome	WY2000-02302	5 years	
#114	Winkelman Dome	WY2000-02303	5 years	
#117	Winkelman Dome	WY2000-02306	5 years	
#119	Winkelman Dome	WY2000-02240	5 years: annulus surrounding tubing	Quarterly fluid measurement
#125	Winkelman Dome	WY2000-02286	5 years: annulus surrounding tubing	Quarterly fluid measurement
#132	Winkelman Dome	WY2000-02296	5 years	
#133	Winkelman Dome	WY2000-02180	5 years	
#139	Winkelman Dome	WY2000-02297	5 years	
#162-9	Winkelman Dome	WY2000-02317	5 years	
#201	Winkelman Dome	WY2000-02311	5 years	

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Well Name	Oil Field	EPA ID No.	Minimum Mechanical Integrity (Part I) Frequency ¹	Other Monitoring
#202	Winkleman Dome	WY2000-02312	5 years: annulus surrounding tubing	Quarterly fluid measurement
#203	Winkleman Dome	WY2000-02313	5 years: annulus surrounding tubing	Quarterly fluid measurement
#204	Winkleman Dome	WY2000-02314	1 year	
#207	Winkleman Dome	WY2000-02308	5 years: annulus surrounding tubing	Quarterly fluid measurement
#301	Winkleman Dome	WY2000-02319	5 years: annulus surrounding tubing	Quarterly fluid measurement
#302	Winkleman Dome	WY2000-02320	5 years	
#303	Winkleman Dome	WY2000-02321	5 years	
#310	Winkleman Dome	WY2000-02323	5 years	

¹ Injection wells that have been shut-in for two years must be plugged and abandoned unless a showing of non-endangerment is made in conformity with 40 CFR 144.28(c)(2)(iv). A successful mechanical integrity test conducted every two years is sufficient to demonstrate non-endangerment under this requirement. This table is meant to supply the minimum regulatory and permit requirements for demonstrating mechanical integrity for all injection wells, except Lander #60, #117 and #121, whose mechanical integrity requirements are prescribed by the State of Wyoming. Owner/Operators may elect to conduct a mechanical integrity test every two years at temporarily abandoned wells, however this table does not describe whether or not the owner/operator has made this election at each injection well.

² An internal mechanical integrity test, following Region 8 Guidance, must take place in the annular space immediately surrounding the injection tubing string(s) in each well with a so-called scab liner.

³ Quarterly fluid measurement means measuring the depth to the top of liquid in the outermost annular space. Measurements must be recorded quarterly and reported annually as number of feet to top of liquid.

⁴ Each well losing a monitorable layer of protection (such as cementing the tubing in a well) must demonstrate internal mechanical integrity annually

⁵ This is one of three wells in this oil field operating under a UIC permit. Pursuant to the conditions in each UIC permit, a representative analysis of water quality must be annually reported. See each UIC permit for the specific requirements applicable.